

# Chemical Information:

Name: 2-Butene, 1,4-dichloro-  
CAS No.: 764-41-0 (*cis-trans*) Supplier: TCI America  
1476-11-5 (*cis*-)  
110-57-6 (*trans*-)

Date of Analysis: 27 April 2015

Tox21\_ID No.: Tox21\_200451 Lot No.: H3IFF  
NTP\_CID No.: 2899 MW: 155.07 g/mol

## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Acetone	3.00	Not applicable
2-Butene, 1,4-dichloro-	11.86	28.81
2-Butene, 1,4-dichloro-	12.60	71.19

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Acetone (~400 ug/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 325°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Run Time	60 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

